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CAREY, RODRIGUEZ, GREENBERG & PAUL, LLP		LU, KUEN S
STEVEN M. GREENBERG		
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

0. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Please note Applicant's Amendment filed March 5, 2007 has been entered.

1. This action is the Notice of Allowance Action of responsive to Applicant's Amendment filed March 5, 2007. It is acknowledged that claims 1, 7, 10 and 15 were amended and [[2-]] 3, 9, 14 and 17 were canceled.

2. After a thorough search and examination of the present application, and in light of the prior art made of record, Applicant's Amendment and Remarks filed March 5, 2007 and Examiner's amendments made May 3, 2007, Claims 1, 2, 5-8, 10-13 and 15-16 (renumbered to 1-12) are allowed.

Examiner's Amendments

3. Authorization for this Examiner's amendment, listed below, was given in telephone interview with Applicant, Mr. Steven M. Greenberg (Registration 44,725) on May 4, 2007 for amending claims 1, 7, 10 and 15. The summary of interview conducted on May 4, 2007 is attached.

3.1. Please amend Claims 1, 7, 10 and 15 as follow:

1. (Currently Amended) A <u>computer managed</u> meta-data driven resource management

system <u>for limiting access to resource instances</u> comprising:

a resource non-specific database comprising a plurality of resource records

corresponding to multiple different types of fixed or consumable collaborative resources<u>,</u>

<u>wherein said fixed or consumable collaborative resources is</u> used <s>when</s> <u>in</u>

completing a task in a collaborative application;

a metadata manager programmed to <u>perform the step of:</u>

<s>define</s> <u>defining</u> records within said database according to resource name and

resource attributes for different resource types specified within metadata definitions of

said different resource types,

<u>wherein</u> each of said metadata definitions further <s>specifying</s> <u>specifies</u> a resource

hierarchy;

a resource manager coupled to said metadata manager and said database, said

resource manager comprising a configuration <s>for</s> <u>performing steps comprising of:</u>

creating, locating and reserving <u>said</u> resource instances based upon resource

types stored in said database and defined within a corresponding metadata definition;

and

an access control manager coupled to said resource manager and configured to

<s>limit</s> <u>perform the step of:</u>

limiting access to individual ones of said resource instances based upon a

specification of said resource containment hierarchy.

7. (Currently Amended) A metadata driven resource management method for limiting

access to new resource instances comprising the steps of:

~~processing individual metadata documents to~~

identifying respective resource names and corresponding resource attributes ~~for~~ of

a plurality of fixed or consumable collaborative resources in a plurality of individual

metadata documents,

wherein said fixed or consumable collaborative resources is used ~~when~~ in

completing a task in a collaborative application,

wherein said collaborative application is specified within said individual metadata

documents, ~~said metadata documents specifying~~ and

wherein a resource containment hierarchy is specified in said metadata

documents;

creating new resource instances,

wherein said new resource instances ~~to be~~ is managed based upon said

respective resource names and said corresponding resource attributes identified within said

individual metadata documents;

persisting said new resource instances in a resource non-specific database;

locating and managing individual ones of said new resource instances based upon

said individual metadata documents; and

limiting access to said new resource instances based upon said specification of

said resource containment hierarchy.

10. (Currently Amended) A metadata driven resource management method comprising

the step of:

adding a new manageable resource instance of a new manageable resource type

for a fixed or consumable collaborative resource,

wherein said fixed or consumable collaborative resources is used when in

completing a task in a collaborative application to a resource non-specific database,

wherein said resource non-specific database containing contains a set of

manageable resource instances created from corresponding pre-existing manageable

resource types which differ from the new resource type, and

wherein the adding step comprising the steps of:

defining the new manageable resource type in a markup language document

with a specified resource name and at least one specified resource attribute, the

markup language document specifying a resource containment hierarchy;

generating a user interface (UI) for creating and managing the new

manageable resource instance based upon said at least one specified resource

attribute in said markup language document;

writing the new manageable resource instance to the database; and

limiting access to the new manageable resource instance based upon an access control

list.

15. (Currently Amended) A machine readable storage medium having stored thereon a

computer program for metadata driven resource management, the computer program

comprising a routine set of instructions which when executed by the machine cause the

machine to perform the steps of:

~~processing individual metadata documents to identify respective resource names and~~

~~corresponding resource attributes for fixed or consumable collaborative used when~~

~~completing a task in a collaborative application specified within said individual metadata~~

~~documents, said metadata documents specifying a resource containment hierarchy;~~

~~creating new resource instances to be managed based upon said respective resource~~

~~names and said corresponding resource attributes identified within said individual~~

~~metadata documents;~~

~~persisting said new resource instances in a resource non-specific database; and,~~

~~locating and managing individual ones of said new resource instances based upon said~~

~~individual metadata documents; and~~

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~~resource containment hierarchy.~~

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limiting access to said new resource instances based upon said specification of said

resource containment hierarchy.

Reasons For Allowance

4. The following is an examiner's statement of reasons for allowance:

In the Examiner's Office Action for Final Rejection of December 5, 2006, Examiner's

Claim rejection under 35 U.S.C. §103(a) is primarily based on Bushe et al: "METHODS

AND APPARATUS FOR DISPLAYING MANAGED RESOURCE INFORMATION", U.S.

patent 6,978,422, issued December 20, 2005, hereafter "Bushe"; in view of Ruths et al:

"DATA-CENTRIC COLLABORATIVE COMPUTING PLATFORM", U.S. patent

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view of Dean et al: "ADAPTABLE RESOURCE MODEL", U.S. patent Application

2004/0098294, published May 20, 2004, hereafter "Dean".

After further consideration of Applicant's amendments made to the claims, Examiner

is persuaded that the mostly recently amended claims 1, 7, 10 and 15, which include

the below highlighted subject matter as described in each of independent claims 1, 7,

10 and 15, has overcome the teaching of the Bushe, Ruths and Dean references, and

each of the claims describes an allowable subject matter. .

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An updated search for the prior arts on EAST database and on domains (NPL-ACM,

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database and domains does not fairly teach or suggest the teaching of the newly amended

claimed subject matter as combined and described in each of the independent claims 1, 7,

10 and 15.

The dependent claim(s) in the groups (4-6), (8), (11-13) and (16), depending directly or

indirectly upon claims 1, 7, 10 and 15, respectively, are also distinct from the prior art for the

same reason.

5. Any comments considered necessary by applicant must be submitted no later than

the payment of the issue fee and, to avoid processing delays, should preferably

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Contact Information

6. Any inquiry concerning this communication or earlier communications from the

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Kuen S. Lu,

Patent Examiner, Art Unit 2167

July 14, 2007

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